



Kraftfahrt-Bundesamt

DE-24932 Flensburg



MITTEILUNG

Ausgestellt von:

Kraftfahrt-Bundesamt

über die Genehmigung
für einen Schutzhelmtyp ohne Visiertyp(en) nach der Regelung Nr. 22

COMMUNICATION

Issued by:

Kraftfahrt-Bundesamt

concerning approval granted
of a type of protective helmet without visor type(s) pursuant to
Regulation No. 22

Nummer der Genehmigung: **E1*22R05/02*300678*00**
Approval No.

1. Fabrik- oder Handelsmarke:
Trade name or mark:
TCK, KYT, INK, SUOMY
2. Typ:
Type:
SKY HAWK

Handelsbezeichnung(en):
General commercial description(s):
TCK SKY HAWK, KYT SKY HAWK, INK SKY HAWK, SUOMY SKY HAWK
3. Größen:
Sizes:
XS(54), S(56), M(58), L(60), XL(62), XXL(63)
4. Name des Herstellers:
Manufacturer's name:
TARA CITRA KUSUMA PT
ID-Lippo Cikarang Desa Sukaresmi, Kecamatan Cikarang Selatan, Kabupaten Bekasi



Kraftfahrt-Bundesamt

DE-24932 Flensburg

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Nummer der Genehmigung: E1*22R05/02*300678*00

Approval No.:

5. Anschrift:
Address:
(s. 4.)
6. Gegebenenfalls Name des Vertreters des Herstellers:
If applicable, name of manufacturer's representative:
entfällt
not applicable
7. Anschrift:
Address:
(s. 6.)
8. Kurze Beschreibung des Helms:
Brief description of helmet:
siehe Anlagen
see enclosures
9. Helm mit schützender unterer Gesichtsabdeckung **(P)**
Helmet with protective lower face cover **(P)**
10. Visiertyp oder Visiertypen:
Type of visor or visors:
entfällt
not applicable
11. Kurze Beschreibung des Visiers oder der Visiere:
Brief description of visor or visors:
entfällt
not applicable
12. Zur Genehmigung vorlegt am:
Submitted for approval on:
13.03.2018
13. Technischer Dienst, der die Prüfungen für die Genehmigungen durchführt:
Technical service responsible for conducting approval tests:
SGS-TÜV Saar GmbH
DE-81379 München
14. Datum des Gutachtens des Technischen Dienstes:
Date of report issued by that service:
09.03.2018



Kraftfahrt-Bundesamt

DE-24932 Flensburg

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Nummer der Genehmigung: E1*22R05/02*300678*00

Approval No.:

15. Nummer des Gutachtens des Technischen Dienstes:
Number of report issued by that service:

HOM ECN T18/042-00

16. Bemerkungen:
Comments:

entfällt

not applicable

17. Die Genehmigung wird **erteilt**
Approval **granted**

18. Ort: **DE-24932 Flensburg**
Place:

19. Datum: **28.03.2018**
Date:

20. Unterschrift: **Im Auftrag**
Signature:


(D. Stieglitz)



21. Folgende mit der oben erwähnten Genehmigungsnummer versehene Dokumente sind auf Anforderung erhältlich.
The following documents, bearing the approval number shown above, are available on request:

Nebenbestimmungen und Rechtsbehelfsbelehrung
Collateral clauses and instruction on right to appeal

1 Prüfbericht mit Anlagen
1 Test report with appendices



Kraftfahrt-Bundesamt

DE-24932 Flensburg

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Nummer der Genehmigung: E1*22R05/02*300678*00

Approval No.:

1 Beschreibungsmappe R22-SKY HAWK-00 (11 Blatt)

1 Information folder R22-SKY HAWK-00 (11 sheets)



Kraftfahrt-Bundesamt

DE-24932 Flensburg

Nr. der Genehmigung: E1*22R05/02*300678*00

Approval No.:

- Anlage -

Nebenbestimmungen und Rechtsbehelfsbelehrung

Nebenbestimmungen

Jede Einrichtung, die dem genehmigten Typ entspricht, ist gemäß der angewendeten Vorschrift zu kennzeichnen.

Das Genehmigungszeichen lautet wie folgt:



05300678/P -

Die Einzelerzeugnisse der reihenweisen Fertigung müssen mit den Genehmigungsunterlagen genau übereinstimmen. Änderungen an den Einzelerzeugnissen sind nur mit ausdrücklicher Zustimmung des Kraftfahrt-Bundesamtes gestattet. Änderungen der Firmenbezeichnung, der Anschrift und der Fertigungsstätten sowie eines bei der Erteilung der Genehmigung benannten Zustellungsbevollmächtigten oder bevollmächtigten Vertreters sind dem Kraftfahrt-Bundesamt unverzüglich mitzuteilen. Verstöße gegen diese Bestimmungen können zum Widerruf der Genehmigung führen und können überdies strafrechtlich verfolgt werden.

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Das Kraftfahrt-Bundesamt kann jederzeit die ordnungsgemäße Ausübung der durch diese Genehmigung verliehenen Befugnisse, insbesondere die genehmigungsgerechte Fertigung sowie die Maßnahmen zur Übereinstimmung der Produktion, nachprüfen. Es kann zu diesem Zweck Proben entnehmen oder entnehmen lassen. Dem Kraftfahrt-Bundesamt und/oder seinen Beauftragten ist ungehinderter Zutritt zu Produktions- und Lagerstätten zu gewähren.

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Kraftfahrt-Bundesamt

DE-24932 Flensburg

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Nummer der Genehmigung: E1*22R05/02*300678*00

Approval No.:

Rechtsbehelfsbelehrung

Gegen diese Genehmigung kann innerhalb eines Monats nach Bekanntgabe Widerspruch erhoben werden. Der Widerspruch ist beim **Kraftfahrt-Bundesamt, Fördestraße 16, DE-24944 Flensburg**, schriftlich oder zur Niederschrift einzulegen.

- Attachment -

Collateral clauses and instruction on right to appeal

Collateral clauses

All equipment which corresponds to the approved type is to be identified according to the applied regulation.

The approval identification is as follows: - see German version -

The individual production of serial fabrication must be in exact accordance with the approval documents. Changes in the individual production are only allowed with express consent of the Kraftfahrt-Bundesamt.

Changes in the name of the company, the address and the manufacturing plant as well as one of the parties given the authority to delivery or authorised representative named when the approval was granted is to be immediately disclosed to the Kraftfahrt-Bundesamt.

Breach of this regulation can lead to recall of the approval and moreover can be legally prosecuted.

The approval expires if it is returned or withdrawn or if the type approved no longer complies with the legal requirements. The revocation can be made if the demanded requirements for issuance and the continuance of the approval no longer exist, if the holder of the approval violates the duties involved in the approval, also to the extent that they result from the assigned conditions to this approval, or if it is determined that the approved type does not comply with the requirements of traffic safety or environmental protection.

The Kraftfahrt-Bundesamt may check the proper exercise of the conferred authority taken from this approval at any time. In particular this means the compliant production as well as the measures for conformity of production. For this purpose samples can be taken or have taken. The employees or the representatives of the Kraftfahrt-Bundesamt may get unhindered access to the production and storage facilities.

The conferred authority contained with issuance of this approval is not transferable. Trade mark rights of third parties are not affected with this approval.

Instruction on right to appeal

This approval can be appealed within one month after notification. The appeal is to be filed in writing or as a transcript at the **Kraftfahrt-Bundesamt, Fördestraße 16, DE-24944 Flensburg**.

Technical Report

Test standard:
ECE Regulation No. 22

Level of amendment:
Supplement 2 to the 05 series of amendments

Title:
Protective helmets and their visors

Manufacturer:
PT Tara Cltra Kusuma

Type:
SKY HAWK

Subject of testing:
Component

0 General

0.1	Make (trade name of manufacturer):	TCK, KYT, INK, SUOMY
0.2	Type:	SKY HAWK
0.2.1	Commercial description:	TCK SKY HAWK, KYT SKY HAWK, INK SKY HAWK, SUOMY SKY HAWK
0.3	Means of identification of type, if marked on the vehicle:	n.a.
0.3.1	Location of that marking:	n.a.
0.4	Category of vehicle:	n.a.
0.5	Manufacturer's name and address:	PT Tara Cltra Kusuma Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3&5, Lippo Cikarang, Bekasi 17550, Indonesia
0.8	Address of assembly plant:	PT Tara Cltra Kusuma Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3&5, Lippo Cikarang, Bekasi 17550, Indonesia
0.9	Name and address of representative:	n.a.
	Location of the ECE approval mark:	refer to information document

1 Test record

See appendix

2 Attachments

2.1 List of modifications:

2.2 Information folder:

No.: R22-SKY HAWK- 00

Date of issue: 04.01.2018

3 Statement of conformity

The information folder as mentioned under no. 2.2 and the type described therein are in compliance with the test standard mentioned above.

With regard to the required level of performance to be achieved, the test specimen were representative for the type to be approved.

The tests were carried out in accordance to the relevant requirements of the

☐ EN ISO/IEC 17025:2005 ☒ EN ISO/IEC 17020:2012

**Test Laboratory
SGS-TÜV Saar GmbH**

notified by

Kraftfahrt-Bundesamt (KBA),
Federal Republic of Germany

No. KBA - P 00084 – 10

National Standards
Authority of Ireland (NSAI)

No. 101

Rijksdienst voor het Wegverkeer
(RDW),
The Netherlands

No. 99050064 00

Responsible expert**Signature**

Lell Wu

Mar 09, 2018

**Conformity check****Signature**

Doris Yang

Mar 13, 2018

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Test record

1 Test object and measuring equipment

1.1 Test object

- ☒ Protective helmet (without visor)
☐ Protective helmet (with visor)
☐ Visor

1.1.1 Protective Helmet

Type:

SKY HAWK

Sizes:

XS(54), S(56), M(58), L(60), XL(62),
XXL(63)

Lower face cover:

- ☐ Without lower face cover (J)
☒ Protective (P)
☐ Non protective (NP)

1.1.2 Helmet visor

☒ n.a.

1.1.3 Sun shade

The helmet is equipped with a swivel-mounted sun shade, which may only be used in combination with the visor in closed position according to the user manual

- ☐ On the inner side of the visor
☐ On the outer side of the visor
☒ Not applicable

1.1.4 Remarks:

n.a.

1.2 Equipments for measuring and testing:

1.2.1 Test equipment:

The equipment and the test facilities on which the tests were carried out fulfilled the requirements of the ECE Regulation 22.05

1.2.2 Measurement procedure:

according to ECE Regulation No. 22.05

2 Test Results

2.1 Protective helmet

2.1.1 Marking (clause 4.1.1, 4.4)

All required information, in accordance with the ECE R22.05, is given by the labels

☒	fulfilled
☐	Not fulfilled
☐	n.a.

2.1.2 Basic construction (clause 6.1)

Shell + Protective padding + Retention system

☒	fulfilled
☐	Not fulfilled
☐	n.a.

2.1.3 If fitted with non protective lower face cover (clause 6.2)

☐	Marked "Does not protect chin from impacts"
☐	Marked with symbol
☒	n.a.



2.1.4 Extent of the protection (clauses 6.4, 6.5)

The shell and the protective padding cover all areas as required

☒	fulfilled
☐	Not fulfilled
☐	n.a.

2.1.5 Projections / irregularities / sharp edges
(clauses 6.6 to 6.9)

All external projections other than press-fasteners are smooth and adequately faired, all external projections which are not more than 2 mm above the outer surface of the shell, have a radius of more than 1 mm, all external projections which are more than 2 mm above the outer surface of the shell have a radius of more than 2 mm.

All projections or irregularities in the outer surface of the shell which are higher than 2 mm, fulfill the requirements after the shear assessment test. The outer surface of the helmet fulfills the requirements after the friction assessment test.

There are no inward-facing sharp edges on the inside of the helmet; rigid, projecting internal parts are covered with padding so that any stresses transmitted to the head are not highly concentrated.

☒ fulfilled
☐ Not fulfilled
☐ n.a.

2.1.6 Test method for projections and surface friction

☐ Procedure A (7.4.1)
☒ Procedure B (7.4.2)

Helmet No.	Helmet Size (cm)	Condition	Projections	Friction
M-3	58	Solvent plus ambient temperature and hygrometry conditioning	Pass	Pass

2.1.7 Peripheral vision (clause 6.14)

Horizontal ($\geq 105^\circ$):

☒	fulfilled
☐	Not fulfilled
☐	n.a.

Upwards ($\geq 7^\circ$):

☒	fulfilled
☐	Not fulfilled
☐	n.a.

Downwards ($\geq 45^\circ$):

☒	fulfilled
☐	Not fulfilled
☐	n.a.

2.1.8 Conspicuity marking
(clause 6.16)

☐	fulfilled
☐	Not fulfilled
☒	n.a.

2.1.9 Impact-absorption tests
(clause 7.3)

☒	fulfilled
☐	Not fulfilled
☐	n.a.

Size: 62 cm

Test Head Form: O (62 cm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G $\leq 275g$	HIC ≤ 2400
XL-1	Solvent plus ambient temperature and hygrometry conditioning	Kerbstone	B	7.53	145.2	995
		Kerbstone	X	7.53	238.6	1510
		Flat	P	7.58	194.3	1876
		Flat	R	7.59	185.2	1602
XL-2	Solvent plus ambient temperature and hygrometry conditioning	Flat	B	7.64	174.8	1446
		Flat	X	7.56	200.8	1608
		Kerbstone	P	7.61	225.7	1478
		Kerbstone	R	7.51	171.3	1200
XL-3	Solvent plus heat conditioning	Kerbstone	B	7.54	145.5	945
		Kerbstone	X	7.55	259.9	1632
		Kerbstone	P	7.57	205.2	1392
		Kerbstone	R	7.53	156.4	1140
XL-4	Solvent plus low temperature conditioning	Flat	B	7.57	173.5	1435
		Flat	X	7.51	217.1	1940
		Flat	P	7.65	201.5	2024
		Flat	R	7.58	180.4	1642
		Flat	S	5.54	130.9	322
XL-5	Solvent plus ultra-violet radiation conditioning and moisture conditioning	Kerbstone	B	7.54	153.8	1008
		Flat	X	7.51	210.7	1935
		Flat	P	7.56	194.5	1636
		Kerbstone	R	7.52	219.9	1261

Size: 54 cm

Test Head Form: E (54 cm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤ 275g	HIC ≤ 2400
XS-1	Solvent plus heat conditioning	Kerbstone	B	7.50	128.6	977
		Kerbstone	X	7.51	182.4	1417
		Kerbstone	P	7.62	169.1	1391
		Kerbstone	R	7.60	159.3	1196
XS-2	Solvent plus low temperature conditioning	Flat	B	7.59	196.7	1810
		Flat	X	7.52	250.8	2239
		Flat	P	7.55	252.3	2046
		Flat	R	7.56	199.5	1696
		Flat	S	5.54	106.3	302

Size: 58 cm

Test Head Form: J (57 cm)

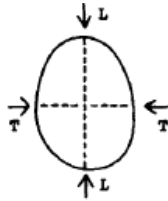
Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤ 275g	HIC ≤ 2400
M-1	Solvent plus heat conditioning	Kerbstone	B	7.62	140.4	952
		Kerbstone	X	7.52	211.5	1370
		Kerbstone	P	7.59	185.7	1405
		Kerbstone	R	7.53	165.7	1285
M-2	Solvent plus low temperature conditioning	Flat	B	7.58	186.9	1423
		Flat	X	7.52	227.1	2177
		Flat	P	7.61	212.9	2114
		Flat	R	7.57	216.3	1941
		Flat	S	5.52	91.5	239

Size: 60 cm

Test Head Form: M (60 cm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤ 275g	HIC ≤ 2400
L-1	Solvent plus heat conditioning	Kerbstone	B	7.50	160.3	1012
		Kerbstone	X	7.53	222.7	1554
		Kerbstone	P	7.55	176.2	1432
		Kerbstone	R	7.60	135.3	993
L-2	Solvent plus low temperature conditioning	Flat	B	7.52	192.0	1597
		Flat	X	7.54	230.3	2203
		Flat	P	7.60	202.5	2004
		Flat	R	7.53	174.8	1478
		Flat	S	5.52	96.7	266

2.1.10 Rigidity test (clause 7.5)



☒	fulfilled
☐	Not fulfilled
☐	n.a.

Helmet No.	Size	Condition	Direction	Max. deformation (≤ 40 mm)	Residual deformation (≤ 15 mm)
XL-6	62	Solvent plus ambient temperature and hygrometry conditioning	Longitudinal axis	9.1	2.0
XL-7	62	Solvent plus ambient temperature and hygrometry conditioning	Transverse axis	13.9	1.9

2.2 Retention system

2.2.1 The retention system is protected from abrasion

☒	fulfilled
☐	Not fulfilled
☐	n.a.

2.2.2 Chin strap (clause 6.11.1, 6.11.2)

The width of the chin strap is more than 20 mm under load of 150 N and it doesn't include a chin-cup.

☒	fulfilled
☐	Not fulfilled
☐	n.a.

2.2.3 Adjustment device (clause 6.11.3)

The retention system includes a device to adjust and maintain tension.

☒	fulfilled
☐	Not fulfilled
☐	n.a.

2.2.4 Fastening devices
(clauses 6.11.4 to 6.11.9)

The requirements for fastening devices and release mechanisms are in accordance to the requirements of the test standard.

☒ fulfilled
☐ Not fulfilled
☐ n.a.

2.2.5 Retention system dynamic test
(clause 7.6)

☒ fulfilled
☐ Not fulfilled
☐ n.a.

Helmet No.	Helmet Size (cm)	Condition	Dynamic displacement (≤ 35 mm)	Residual displacement (≤ 25 mm)
XS-3	54	Solvent plus ambient temperature and hygrometry conditioning	27.3	12.3

2.2.6 Retention (detaching) test
(clause 7.7)

☒ fulfilled
☐ Not fulfilled
☐ n.a.

Helmet No.	Helmet Size (cm)	Condition	Movement of the reference line ($\leq 30^\circ$)
XS-3	54	Solvent plus ambient temperature and hygrometry conditioning	21°

2.2.7 Micro-slip test of the chin strap
(clause 7.9)

☒ fulfilled
☐ Not fulfilled
☐ n.a.

Slippage of chin strap: (≤ 10 mm): <10 mm

2.2.8	Chin strap, resistance to abrasion test (clause 7.10)	☒ fulfilled ☐ Not fulfilled ☐ n.a.
2.2.8.1	Chin strap, withstand a tension of 3 kN (clause 7.10.5)	☒ fulfilled ☐ Not fulfilled ☐ n.a.
2.2.9	Retention systems relying on quick-release mechanisms (clause 7.11)	
2.2.9.1	Inadvertent release by pressure (clause 7.11.1)	☐ fulfilled ☐ Not fulfilled ☒ n.a.
2.2.9.2	Ease of release (clause 7.11.2)	☐ fulfilled ☐ Not fulfilled ☒ n.a.
2.2.9.3	Durability of quick-release mechanisms (clause 7.11.3)	☐ fulfilled ☐ Not fulfilled ☒ n.a.
2.3	Visor	☒ n.a. (no visor) ☐ n.a. (visor separately approved)

2.4 Information for wearers (clauses 14.1 to 14.6)

2.4.1 Every protective helmet placed on the market shall bear a clearly visible label with the following inscription in the national language, or at least one of the national languages, of the country of destination:

☒ fulfilled
☐ Not fulfilled
☐ n.a.

"For adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced"

and, if fitted with a non protective lower face cover:

☐ fulfilled
☐ Not fulfilled
☒ n.a.

"Does not protect chin from impacts"

together with the symbol indicating the unsuitability of the lower face cover to offer any protection against impacts to the chin

2.4.2 and, if hydrocarbons, cleaning fluids, paints, transfers or other extraneous additions affect the shell material adversely

☒ fulfilled
☐ Not fulfilled
☐ n.a.

"Warning" - Do not apply paint, stickers, petrol or other solvents to this helmet"

2.4.3 Every protective helmet shall be clearly marked with its size and its maximum weight, to the nearest 50 grammes, as placed on the market. The maximum weight quoted should include all the accessories that are supplied with the helmets, within the packaging, as it is placed on the market, whether or not those accessories have actually been fitted to the helmet.

☒ fulfilled
☐ Not fulfilled
☐ n.a.

-
- | | | |
|---------|---|--|
| 2.4.4 | Every protective helmet offered for sale shall bear a label showing the type or types of visor that have been approved at the manufacturer's request. | ☐ fulfilled
☐ Not fulfilled
☒ n.a. |
| 2.4.5 | Every visor offered for sale shall bear a label showing the types of protective helmet for which it has been approved | ☐ fulfilled
☐ Not fulfilled
☒ n.a. |
| 2.4.6 | Every visor placed on the market with a protective helmet shall be accompanied by information in the national language, or in at least one of the national languages, of the country of destination. This information shall contain: | |
| 2.4.6.1 | General Instruction for Storage and Care | ☐ fulfilled
☐ Not fulfilled
☒ n.a. |
| 2.4.6.2 | Specific instructions for cleaning and their notice of use. These instructions shall include a warning regarding the dangers of using unsuitable agents for cleaning (such as solvents), especially if abrasion resistant coatings are to be preserved. | ☐ fulfilled
☐ Not fulfilled
☒ n.a. |
| 2.4.6.3 | Advice as to the suitability of the visor for use in conditions of poor visibility and during the hours of darkness. The following warning shall be included:
Visors with the marking indicating "daytime use only" are not suitable for use during the hours of darkness or in conditions of poor visibility. | ☐ fulfilled
☐ Not fulfilled
☒ n.a. |

2.4.6.4 If appropriate, the following warning shall also be included

The fastening of this visor is such that it will not be possible to remove it instantly from the line of sight with one hand should an emergency (such as headlamp glare or misting) occur.

☐	fulfilled
☐	Not fulfilled
☒	n.a.

2.4.6.5 If the visor is MIST RETARDANT approved it may be indicated

☐	fulfilled
☐	Not fulfilled
☒	n.a.

2.4.6.6 Instructions regarding the detention of obsolescence

☐	fulfilled
☐	Not fulfilled
☒	n.a.

3 Other information

Place of testing: SGS CSTC Guangzhou, P.R. China

Date of testing: From 06.11.2017 to 14.12.2017

4 **Remarks:** ---



List of modifications

- | | | |
|---|------------------|------|
| 1 | Correction of: | n.a. |
| 2 | Modification of: | n.a. |
| 3 | Addition of: | n.a. |
| 4 | Deletion of: | n.a. |

INFORMATION DOCUMENT

No.: R22-SKY HAWK-00



PT Tara Citra Kusuma

TYPE: SKY HAWK

Protective helmet without visor
pursuant to

Regulation No. 22

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF
PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS AND
PASSENGERS OF MOTORCYCLES AND MOPEDS

Signature of a responsible person:

A handwritten signature in black ink, appearing to be 'J. Ang'.

Date: 04.01.2018



INFORMATION DOCUMENT

R22-SKY HAWK-00

Type : SKY HAWK
Manufacture : PT Tara Cltra Kusuma

Date: 04.01.2018
Page 2 of 11

0 GENERAL INFORMATION

- 0.1 Make (trade name of manufacturer) : TCK, KYT, INK, SUOMY
0.2 Type : SKY HAWK
0.2.1 Commercial description : TCK SKY HAWK, KYT SKY HAWK, INK SKY HAWK, SUOMY SKY HAWK
0.3 Variants / Versions : n.a.
0.4 Name and address of manufacturer : PT Tara Cltra Kusuma
Delta Silicon Industrial Park, Jl Meranti 3 Blok L
10 No. 3&5, Lippo Cikarang, Bekasi 17550, Indonesia
0.5 Name and address of assembly plant : PT Tara Cltra Kusuma
Delta Silicon Industrial Park, Jl Meranti 3 Blok L
10 No. 3&5, Lippo Cikarang, Bekasi 17550, Indonesia
0.6 Name and address of manufacturer's authorized representative (if any) : n.a.
0.7 Location and method of affixing of the international approval mark : Marked in a label sewn on the retention system chin strap, see Annex 5

1 TECHNICAL DESCRIPTION

- 1.1 Description of the helmet
1.1.1 Type of helmet : Full face
1.1.2 Type of lower face cover : "P" protective
1.1.3 Size (s) : XS(54), S(56), M(58), L(60), XL(62), XXL(63)
1.1.4 Drawing of the helmet : See Annex 1
1.2 Description of the visor : n.a.
1.3 Description of the shell
1.3.1 Material : Fiberglass
1.3.2 Manufacture method : Bag pressure by molding
1.3.3 Ventilation : See Annex 1
1.3.4 Composition of the border join on the shell : PVC
1.3.5 Drawing of the shell : See Annex 2
1.4 Description of protective padding
1.4.1 Composition : EPS
1.4.2 Density :

Size (cm)	Shell Size	Comfort padding thickness (mm)	EPS Density (g/l)	EPS Padding Thickness (mm)	Main EPS + Cheek Weight (grams)
XS(54)	M	Rear: 20, Top: 15, Front: 19	Main: 45, Cheek: 55	B:46, XS:37, XD:37, P:41, Re:40	155.9+38.8
S(56)	M	Rear: 20, Top: 15, Front: 16	Main: 45, Cheek: 55	B:46, XS:37, XD:37, P:41, Re:40	155.9+38.8
M(58)	M	Rear: 15, Top: 15, Front: 14	Main: 45, Cheek: 55	B:46, XS:37, XD:37, P:41, Re:40	155.9+38.8
L(60)	L	Rear: 15, Top: 15, Front: 14	Main: 50, Cheek: 60	B:46, XS:35, XD:35, P:44, Re:41	165.6+38.8
XL(62)	L	Rear: 12, Top: 15, Front: 12	Main: 50, Cheek: 60	B:46, XS:35, XD:35, P:44, Re:41	165.6+38.8
XXL(63)	L	Rear: 10, Top: 15, Front: 10	Main: 50, Cheek: 60	B:46, XS:35, XD:35, P:44, Re:41	165.6+38.8

- 1.4.3 Drawing of the protective padding : See Annex 3



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- 1.5 Description of comfort padding
- 1.5.1 Composition of
 - Comfort padding : Compound sponge
 - Comfort tissue : Compound cloth
 - Protection of the back of the nape : Compound sponge
 - Lateral packing : EPS and compound sponge
 - Lower face cover : EPS and PC
- 1.5.2 Drawing of the comfort padding : See Annex 4
- 1.6 Description of the retention system
- 1.6.1 Chin strap
 - Material : Nylon Belt
 - Width : 24 mm
- 1.6.2 Retention system : Double "D" Ring
- 1.6.3 Comfort padding of the retention system
 - Composition : Leather and fabric
 - Thickness : 2 mm
- 1.6.4 Anchorage system to the shell : By a metallic piece fitted to the internal part of the shell by a rivet
- 1.6.5 Drawing of the retention system : See Annex 5
- 1.7 Other Characteristics
- 1.7.1 Markings
 - Make : Rear part of the shell
 - Weight : Rear part of the shell
 - Size : Rear part of the shell
- 1.7.2 Indelible marking
 - How it is made : Sewing
 - Position : On the chin strap
- 1.8 Accessories
- 1.8.1 Peak : Available
- 1.8.2 Information for wearer
 - 1.8.2.1 Text : See Annex 6
 - 1.8.2.2 Position : Weave inside rear part of the padding

ANNEXS

Annex 1	Drawing of the helmet	04.01.2018
Annex 2	Drawing of the shell	04.01.2018
Annex 3	Drawing of the protective padding	04.01.2018
Annex 4	Drawing of the comfort padding	04.01.2018
Annex 5	Drawing of the retention system	04.01.2018
Annex 6	Information for wearer	04.01.2018



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Annex 1: Drawing of the helmet



Number	Name	Material	Number	Name	Material
1	Shell	Fiberglass	10	Chin Guard	Polypropylene
2	Main Protective Padding	EPS	11	Mesh	Alumunium
3	Comfort Padding	Compound sponge and cloth	12	Chin Strap	Nylon
4	Rear EPS Cover	Polypropylene	13	Front Vent	ABS
5	Bottom Trim	Rubber	14	Rear Vents	ABS
6	Peak Screw	Polycarbonate	15	Side Vents	ABS
7	Peak	Polypropylene	16	Visor Trim	Rubber
8	Cheek Protective Padding	EPS	17	Rivet	Steel
9	Cheek Padding	Compound sponge and cloth	18	Chin Vent	ABS
Description	SKY HAWK Helmet		Code No.:	SKY HAWK.1	
Manufacturer:	PT Tara Cltra Kusuma				
Address:	Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3&5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	Checked by:	Tugimin	Approved by:	Han Budi
Date:	04.01.2018	Date:	04.01.2018	Date:	04.01.2018



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Annex 2: Drawing of the shell



Number	Name	Material	Number	Name	Material
1	Shell	Fiberglass			
Description	SKY HAWK Medium Shell		Code No.:	SKY HAWK.2.1	
Manufacturer:	PT Tara Cltra Kusuma				
Address:	Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3&5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	Checked by:	Tugimin	Approved by:	Han Budi
Date:	04.01.2018	Date:	04.01.2018	Date:	04.01.2018



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Number	Name	Material	Number	Name	Material
1	Shell	Fiberglass			
Description	SKY HAWK Large Shell		Code No.:	SKY HAWK.2.2	
Manufacturer:	PT Tara Cltra Kusuma				
Address:	Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3&5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	Checked by:	Tugimin	Approved by:	Han Budi
Date:	04.01.2018	Date:	04.01.2018	Date:	04.01.2018



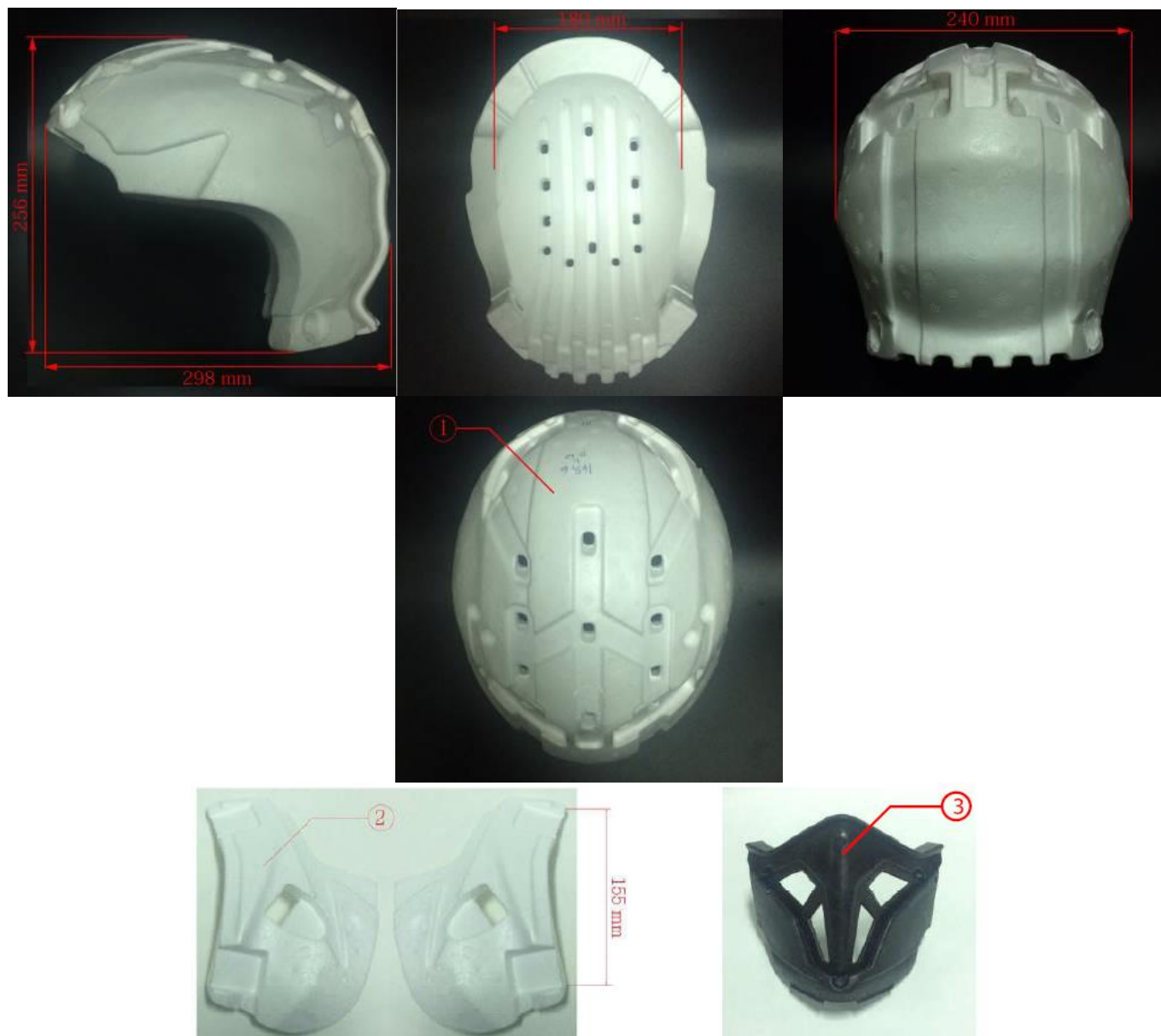
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Annex 3: Drawing of the protective padding



Number	Name	Material	Number	Name	Material
1	Main Protective Padding	EPS	2	Cheek Protective Padding	EPS
3	Chin Protective Padding	PU			
Description	SKY HAWK Medium Main Protective Padding		Code No.:	SKY HAWK.3.1	
Manufacturer:	PT Tara Citra Kusuma				
Address:	Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3&5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	Checked by:	Tugimin	Approved by:	Han Budi
Date:	04.01.2018	Date:	04.01.2018	Date:	04.01.2018



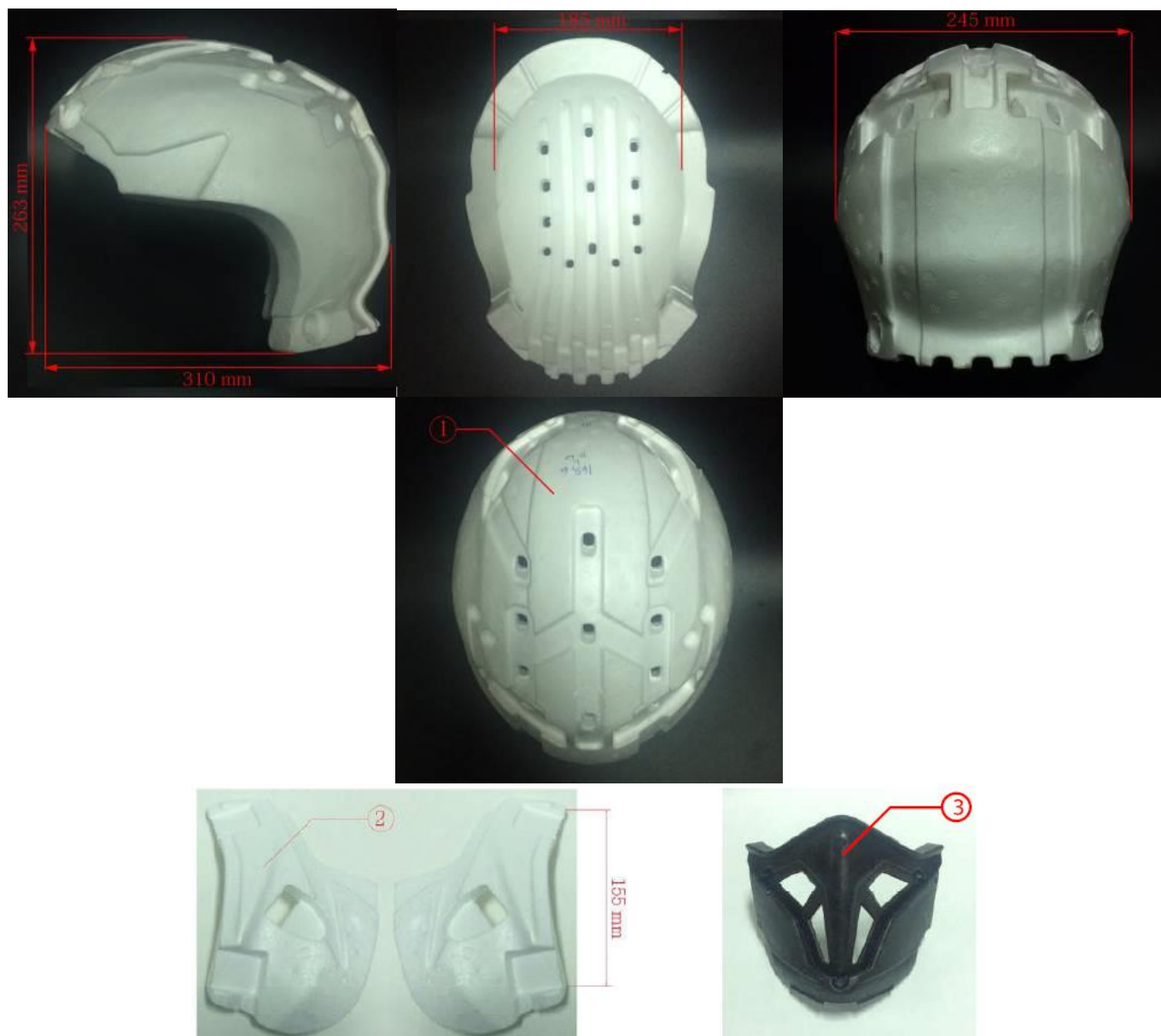
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Number	Name	Material	Number	Name	Material
1	Main Protective Padding	EPS	2	Cheek Protective Padding	EPS
3	Chin Protective Padding	PU			
Description	SKY HAWK Large Main Protective Padding		Code No.:	SKY HAWK.3.2	
Manufacturer:	PT Tara Cltra Kusuma				
Address:	Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3&5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	Checked by:	Tugimin	Approved by:	Han Budi
Date:	04.01.2018	Date:	04.01.2018	Date:	04.01.2018

**Annex 4: Drawing of the comfort padding**

Number	Name	Material	Number	Name	Material
1	Comfort Padding	Compound sponge + cloth	2	Ear Comfort Padding	Compound sponge + cloth + PP
Description	SKY HAWK Comfort Padding		Code No.:	SKY HAWK.4	
Manufacturer:	PT Tara Cltra Kusuma				
Address:	Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3&5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	Drawn by:	Ivan	Drawn by:	Ivan
Date:	04.01.2018	Date:	04.01.2018	Date:	04.01.2018



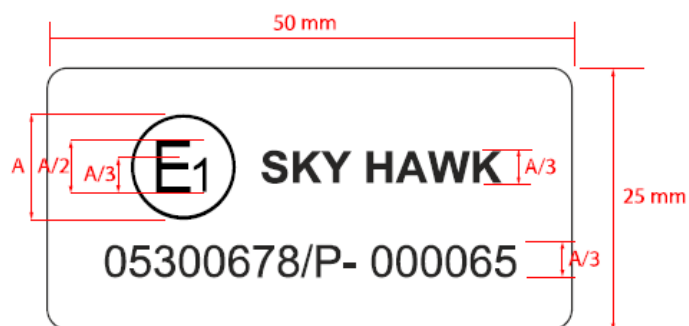
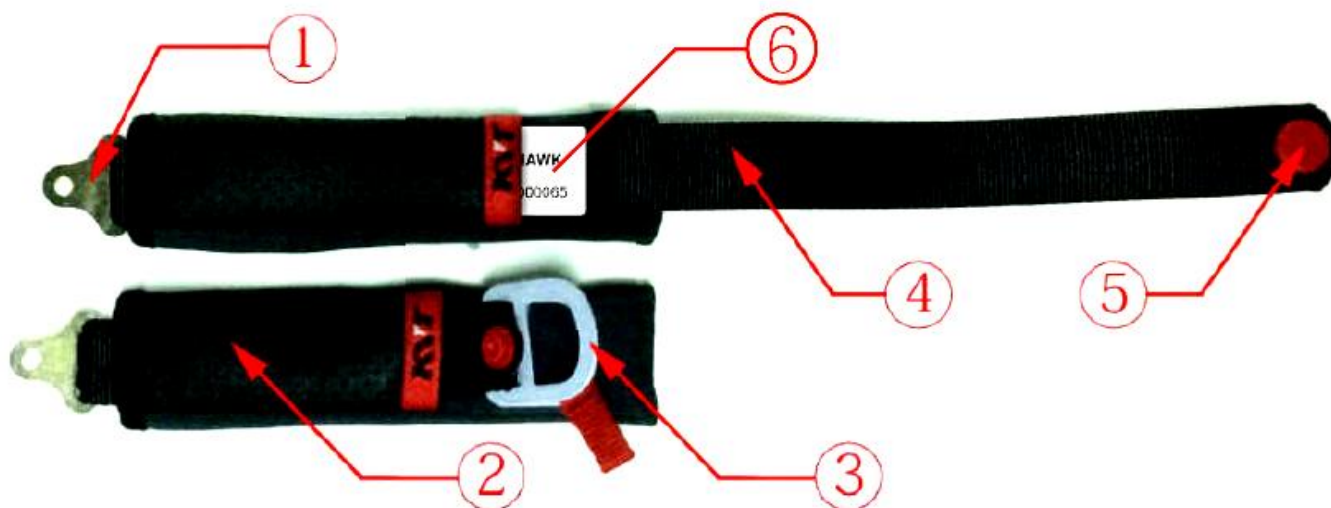
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Annex 5: Drawing of the retention system



HELMET TYPE : SKY HAWK
COLOR OF LABEL : WHITE
COLOR OF PRINT : BLACK

Number	Name	Material	Number	Name	Material
1	Bracket	Stainless Steel	4	Chin Strap	Nylon
2	Leather	Leather	5	Snap Button	Polyacetal
3	Double “D” Ring	Alumunium	6	ECE Marking	Cloth
Description	SKY HAWK Retention System		Code No.:	SKY HAWK.5	
Manufacturer:	PT Tara Cltra Kusuma				
Address:	Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3&5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	Drawn by:	Ivan	Drawn by:	Ivan
Date:	04.01.2018	Date:	04.01.2018	Date:	04.01.2018



Annex 6: Information for wearer

WARNING

No helmet can protect the user from all possible and foreseeable impacts.

1. For adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced.
2. Visors (if fitted) with the marking indicating "DAYTIME USE ONLY" are not suitable for use during the hours of darkness or in conditions of poor visibility. The fastening of visor is such that it may not be possible to remove it instantly from the line of sight with one hand should an emergency (such as headlamp glare or misting) occur.
3. To maintain the full efficiency of the helmet, any modification to the structure of the helmet or its parts is not allowed.
4. Do not apply paint, stickers, petrol or other solvents to this helmet.
Hydrocarbons, cleaning fluids, paints, transfers or other extraneous additions will affect the shell material adversely.

Shell is made by fiberglass. Lining is made of expanded polystyrene.

Important: read helmet user's guide for additional information prior to using your new helmet.